

SAF-RC-084
RCBRA-Inter-Areas Shoreline
Assessment – Pore & Surface
Water Sampling
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Jackie Queen H4-22

KW 10/9/07
Initials/Date

COMMENTS:

SDG EAS020607

SAF-RC-084

Rad only

X Chem only

Rad & Chem

X Complete

Partial

WASTE SITE: RCBRA 2i Aq, SURFACE WATER
RCBRA 2j Aq, SURFACE WATER

RECEIVED
OCT 17 2007
EDMC



Report of Analysis

For: Environmental Assessment Services

Attn: Brett Tiller

Project Manager: [Signature]



Client Sample ID: J13VK1

Lab Sample ID: 07487-03

Site:

Collection Date: 2/5/2007 3:00 PM

Analyte	Sample Result	Method	Detection Limit	Analysis Date
Chromium, hexavalent	< 3 µg/L	SM 3500-Cr	3 µg/L	2/6/2007

Client Sample ID: J13VH7

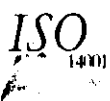
Lab Sample ID: 07487-05

Site:

Collection Date: 2/6/2007 12:30 PM

Analyte	Sample Result	Method	Detection Limit	Analysis Date
Chromium, hexavalent	< 3 µg/L	SM 3500-Cr	3 µg/L	2/6/2007

NA = not analyzed



350 Hills Street, Suite 107
Richland, WA 99354-5511
(509) 377-8058

SDG: EAS 2-6-02

Date : 2/6/2007 Time : 10:14:03

Concentration Results

Date: 2/6/07 Time: 10:12:13 AM
Instrument: Perkin-Elmer Lambda 2 Serial No: 5939
Method: HEXCHROM
Ordinate mode: Single wavelength
Slit: UV/VIS: 2.00 nm
Baseline: No correction (0.00 0.00)
Result Filename: HC020607.RCO
Autozero performed: 2/6/07 10:09:35 AM
Analyst:

Wavelength(s)	Sample ID	Ordinate	Factor	Concentration	Sample Info
540.0	0.0 BLANK	0.0007	1.0000	-2.378 ug/L	
540.0	0.0 LCS	0.0879	1.0000	100.59 ug/L	101%
540.0	0.0 SSK1	0.0892	1.0000	102.21 ug/L	101%
540.0	0.0 RK1	0.0041	1.0000	1.6598 ug/L	
540.0	0.0 KL1	0.0050	1.0000	2.6871 ug/L	

Date : 2/6/2007 Time : 15:31:11

Concentration Results

Date: 2/6/07 Time: 3:30:57 PM
Instrument: Perkin-Elmer Lambda 2 Serial No: 5939
Method: HEXCHROM
Ordinate mode: Single Wavelength
Slit: UV/VIS: 2.00 nm
Baseline: No correction (0.00 0.00)
Result Filename: HC020607.RCO
Autozero performed: 2/6/07 3:30:28 PM
Analyst:

Wavelength(s)	Sample ID	Ordinate	Factor	Concentration	Sample Info
540.0	0.0 015VH7	0.0051	1.0000	2.8169 ug/L	

Date : 2/6/2007 Time : 10:11:52

CALIBRATION

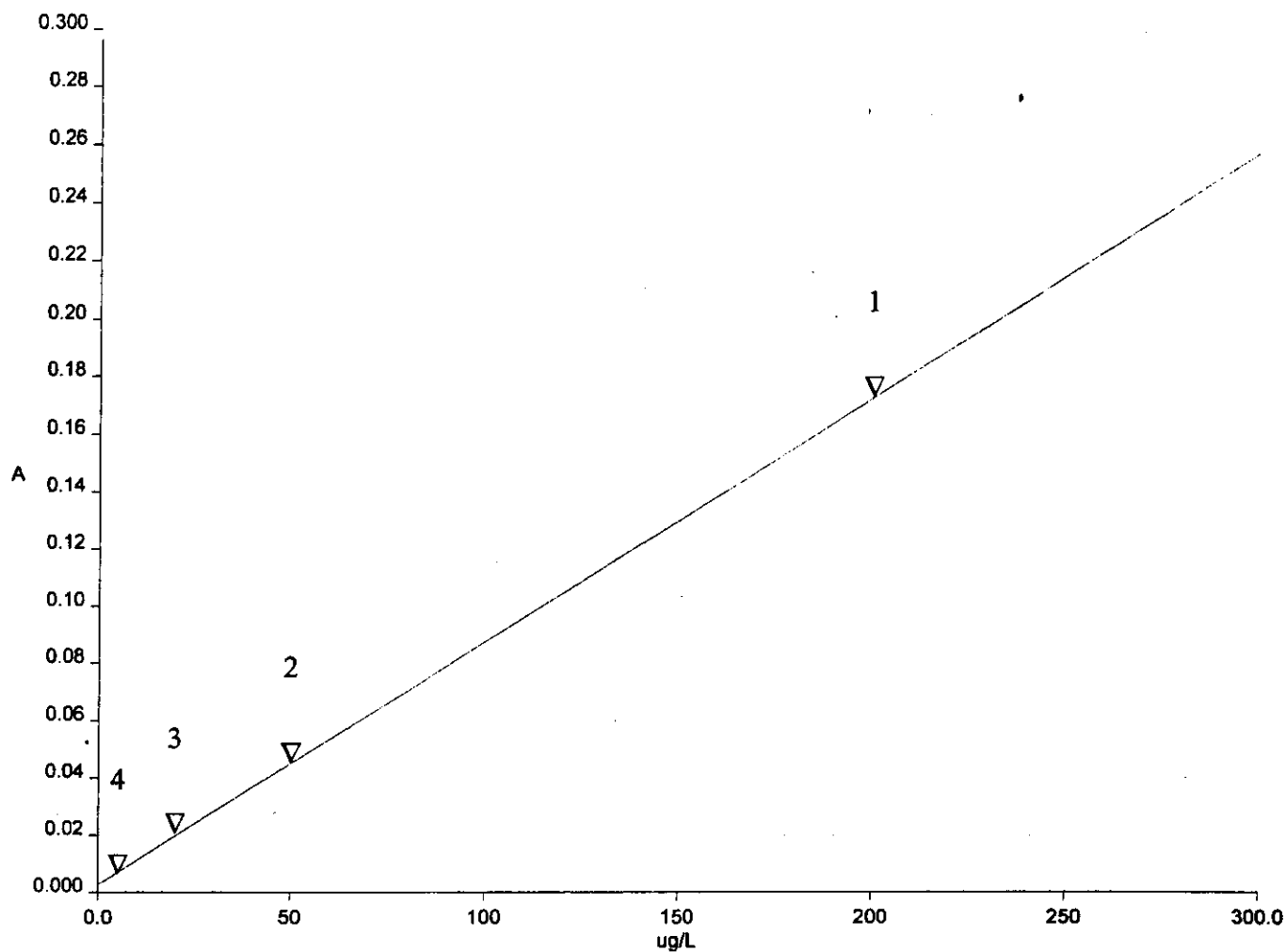
Date: 2/6/07 Time: 10:09:35 AM
Instrument: Perkin-Elmer Lambda 2 Serial No: 5939
Method: HEXCHROM
Ordinate mode: Single wavelength
Baseline: No correction (0.00 0.00)
Analyst:

Wavelength(s)		Sample ID	Concentration	Ord. value	Comment
540.0	0.0	A.A01	200.00 ug/L	0.1720	200 ug/L std
540.0	0.0	B.A02	50.000 ug/L	0.0451	50 ug/L std
540.0	0.0	C.A03	20.000 ug/L	0.0205	20 ug/L std
540.0	0.0	D.A04	5.0000 ug/L	0.0060	5 ug/L std

Equation: $y = 2.674278e-03 + 8.469196e-04 * x$

Residual error: 0.000881
Correlation coefficient: 0.999955

Calibration Curve



Spectrum Name: HEXCHROM

Description: $y = 2.674278e-03 + 8.469196e-04 * x$

Comments: RE = 8.805008e-04, CC = 9.999550e-01

Date Created: Tue Feb 06 10:11:49 2007

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-084-46		Page 1 of 1			
Collector B. TILLER JAMES BERNHARD		Company Contact JOAN KESSNER		Telephone No. 375-4688		Project Coordinator KESSNER, JH		Price Code			
Project Designation RCBRA-Inter-Areas Shoreline Assessment - Pore & Surface		Sampling Location RCBRA 2i Aq, SURFACE WATER		SAF No. RC-084		Air Quality <input type="checkbox"/>		Data Turnaround 45 Days			
Ice Chest No.		Field Logbook No. EL-1612		COA BESBEA6520		Method of Shipment GROUND TRANSPORT					
Shipped To Field Analysis Activities		Offsite Property No.				Bill of Lading/Air Bill No. SEE OSCP					
POSSIBLE SAMPLE HAZARDS/REMARKS Special Handling and/or Storage COOL 4C		Preservation		None							
		Type of Container		P/G							
		No. of Container(s)		1							
		Volume		60mL							
SAMPLE ANALYSIS				INORGANIC BY TEST KIT (Hexavalent Chromium)							
Sample No.	Matrix *	Sample Date	Sample Time								
J13VH7	WATER	2-6-07	1230	X							
J13VH8	WATER	2-6-07		X							
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS					
Relinquished By/Removed From JAMES BERNHARD		Date/Time 2-6-07 1600		Received By/Stored In EAS LOCKED STORAGE						Date/Time 2-6-07 1600	
Relinquished By/Removed From ICG		Date/Time 02-06-07 1500		Received By/Stored In TRISHA L...						Date/Time 02-06-07 1500	
Relinquished By/Removed From		Date/Time		Received By/Stored In						Date/Time	
Relinquished By/Removed From		Date/Time		Received By/Stored In						Date/Time	
Relinquished By/Removed From		Date/Time		Received By/Stored In						Date/Time	
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time					
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time					
LABORATORY SECTION		Received By		Title		Date/Time					
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time					

Matrix *

S=Soil
SE=Seamant
SO=Solid
SL=Sludge
W=Water
O=Oil
A=Air
DS=Drum Spills
DL=Drum Liquid
T=Tissue
WL=Wipe
L=Liquid
V=Vegetation
X=Other

Washington Closure Hanford			CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-084-50		Page 1 of 1	
Collector B. TILLER JAMES BERNHARD			Company Contact JOAN KESSNER		Telephone No. 375-4688		Project Coordinator KESSNER, JH		Price Code	
Project Designation RCBRA-Inter-Areas Shoreline Assessment - Pore & Surface			Sampling Location RCBRA 2j Aq, SURFACE WATER		SAF No. RC-084		Air Quality <input type="checkbox"/>		Data Turnaround 45 Days	
Ice Chest No.			Field Logbook No. EL-1612		COA BESBEA6520		Method of Shipment GROUND TRANSPORT			
Shipped To Field Analysis Activities			Offsite Property No.		Bill of Lading/Air Bill No. SEE OSCP					
POSSIBLE SAMPLE HAZARDS/REMARKS Special Handling and/or Storage COOL 4C			Preservation		None					
			Type of Container		P/G					
			No. of Container(s)		1					
			Volume		60mL					
SAMPLE ANALYSIS			INORGANIC BY TEST KIT (Hexavalent Chromium)							
Sample No.		Matrix *	Sample Date	Sample Time						
J13VK1		WATER	2-5-07	1500	X					
CHAIN OF POSSESSION					SPECIAL INSTRUCTIONS					Matrix * S=Soil SE=Seiment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other
Relinquished By/Removed From JAMES BERNHARD		Date/Time 1630 2-5-07	Received By/Stored In EAS LOCKED STORAGE		Date/Time 1630 2-5-07					
Relinquished By/Removed From EAS LOCKED STORAGE		Date/Time 1000 02-06-07	Received By/Stored In IVORY GRIDLEY / KG		Date/Time 1000 02-06-07					
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time					
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time					
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time					
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time					
LABORATORY SECTION		Received By		Title		Date/Time				
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time				